

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	("7281582").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/15 15:24
L5	366	175/249.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/15 15:27
S1	1	("20060169493").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/31 14:25
S2	3	(("2002266585") or ("2002285780")).PN. or (11/256974).APP.	JPO	OR	OFF	2007/07/31 10:53
S3	1	"6723158"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 11:03
S4	3	(("6723158") or ("6705402") or ("6547003")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/31 11:03
S5	549	175/240,245,246,247,250.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:25
S6	6	S5 (water ADJ swivel)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:27
S7	112	S5 ((wire ADJ line) OR wireline)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:27
S8	52	S7 (inner ADJ tube)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:32
S9	5	S6 S8	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:32
S10	48	S8 (pressure OR (pressurized ADJ fluid) OR hydraulic)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:33
S11	3	S10 (over-shot)	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 14:34
S12	8	(US-20060169493-\$).did. or (US-2857138-\$ or US-3103981-\$ or US-3120282-\$ or US-3292717-\$ or US-3333647-\$).did. or (JP-11256974-\$ or JP-2002266585-\$).did.	US-PGPUB; USOCR; JPO	AND	OFF	2007/07/31 16:24

S13	4	S12 swivel	US-PGPUB; USPAT; USOCR	AND	OFF	2007/07/31 16:25
S14	11	"166".clas. (water ADJ swivel)	US-PGPUB; USPAT; USOCR	AND	OFF	2008/06/30 16:59
S15	7	("3120282").URPN.	USPAT	AND	OFF	2008/12/22 16:52
S16	0	("1499024").URPN.	USPAT	AND	OFF	2008/12/22 18:03
S17	1	("7281582").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/26 10:39
S18	53	("1704053"   "20030024701"   "20040035574"   "20050039925"   "2113647"   "2713909"   "2961045"   "2961046"   "3403729"   "3534822"   "3616850"   "3720264"   "3750749"   "3850241"   "4219087"   "4317486"   "4418947"   "4427065"   "4624312"   "4671353"   "4722389"   "4854383"   "4907649"   "4917184"   "4995457"   "5095988"   "5205359"   "5236035"   "5277248"   "5293933"   "5435390"   "5443122"   "5494107"   "5722491"   "5829523"   "5833002"   "5890537"   "5950724"   "6206095"   "6533045"   "6575238"   "7007753"   "RE21677"   "RE33150").PN. OR ("7281582"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/10/26 10:46
S19	40	("2029598"   "2196652"   "2630179"   "2647582"   "3322197"   "3616850"   "3777819"   "3779270"   "3971436"   "4234216"   "4246967"   "4290482"   "4302033"   "4624312"   "4655462"   "4678210"   "4804290").PN. OR ("4995457").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/10/26 10:52
S20	94404	"166".clas. OR "175".clas.	US-PGPUB; USPAT; USOCR	AND	OFF	2009/10/26 10:55
S21	131	S20 ((overshot OR (over ADJ shot) OR over-shot)) swivel	US-PGPUB; USPAT; USOCR	AND	OFF	2009/10/26 10:56
S22	0	("6105692").URPN.	USPAT	AND	OFF	2010/04/14 15:00
S23	418	175/214,215.ccls. OR 73/864,45.ccls.	USPAT	AND	OFF	2010/04/14 15:03
S24	73	S23 (overshot OR swivel)	USPAT	AND	OFF	2010/04/14 15:03
S25	7	("3120282").URPN.	USPAT	AND	OFF	2010/04/14 15:24

S26	65	( "3322197"   "3444928"   "3863716"   "3971436"   "4290482"   "4574882"   "4624312"   "4671353"   "4809776"   "4934452"   "4995457"   "5040603"   "5095808"   "5095988"   "5236035"   "5293933").PN. OR ("5443122"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 15:26
S27	560	175/240,245,246,247,250.ccls.	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:23
S28	7	S23 S27	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:23
S29	971	S23 OR S27	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:23
S30	11	S29 (water ADJ swivel)	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:23
S31	137	S29 (swivel)	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:27
S32	1	S31 (clarke.in.)	US-PGPUB; USPAT; USOCR	AND	OFF	2010/04/14 17:27

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	41	(water swivel supply port).clm.	USPAT; UPAD	AND	OFF	2010/04/15 15:52
L7	13	(water swivel supply port upper lower).clm.	USPAT; UPAD	AND	OFF	2010/04/15 15:52
L8	0	(water swivel overshot upper lower).clm.	USPAT; UPAD	AND	OFF	2010/04/15 15:52
L9	0	(water swivel over-shot upper lower).clm.	USPAT; UPAD	AND	OFF	2010/04/15 15:52
L10	0	(water swivel over-shot core barrel).clm.	USPAT; UPAD	AND	OFF	2010/04/15 15:52

4/ 15/ 2010 3:53:10 PM

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